

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

10/01/2011

Erik Bennett Assistant District Attorney, Suffolk County

Dear ADA Bennett,

Enclosed is the information you requested in regards to Commonwealth vs. Included are copies of the following:

- 1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
- 2. Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples #
- 4. Analysis sheets with custodial chemist's hand notations and test results.
- 5. GC/Mass Spectral analytical data for samples #

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Dookhan

Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals, (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree:

Bachelors of Science in Forensic Chemistry,

May 2005 from Buffalo State College

GPA: 3.84, Dean's List, Honor's Recognition American Chemical Society Undergraduate Award

Phi Lambda Upsilon Membership

Related Coursework: Analytical Chemistry

Organic Chemistry I and II

Biochemistry

Chemistry of Criminalistics

Anatomy

Physical Chemistry

Instrumental Chemistry. Forensics Laboratory

Physical Evidence

Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- -Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- -Successfully completed GC/MS training program
- -Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- -Responsible for maintenance and repairs of analytical instruments
- -Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

- Forensic Internship, January 2005
 - -Conducted research on the presumptive testing of saliva
 - -Conducted research on the identification and detection of lubricants
 - -Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
 - -Daily use of FTIR microscope and DuraSamplerII
 - -Familiarized with GC/MS programs



| DRUG RECEIPT | | | | |
|---------------------------------------|---|--|-----------------|--------------------|
| District/Unit | odin, | /Espino | ID# | 03 757/9580 |
| DEFENDANT'S NAME | ADD | DRESS | CITY | . STATE |
| | | | Boston | MA |
| | | | LAB U | SE ONLY |
| DESCRIPTION OF ITEMS SUBMITTED | | GROSS QUANTITY | GROSS WEIGHT | ANALYSIS NUMBER |
| Suboxone / Cella | *************************************** | 12/2/1/s | 4.80 gr | |
| | | | | |
| | | | | |
| | | | | |
| | | · | | |
| | _ | | | |
| | | | , | |
| , | | | | |
| | | 200000 halanda karanda | | |
| To be completed by ECU personnel only | 0 | | | |
| Name and Rank of Submitting Officer | X Mili | - Fope | ID#93 | ? |
| Received by | | | Date | /0 |
| 2DD Form 0029 BIS 0007 (grov 1759) | | | ECU Control # | |

Date Analyzed:

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def:

Amount:

No. Cont:

1.5

Subst: TAB

Cont: cellophane wrapper

Date Rec'd: 09/01/2010

No. Analyzed:

Gross Wt.:

4.80

Net Weight: 0.69

Tests: 1950

DRUG POWDER ANALYSIS FORM

| SAMPLE# | AGENCY ROSM | ANALYST A->2 |
|------------------------------|------------------------|----------------|
| No. of samples tested: | Evid | ence Wt. |
| PHYSICAL DESCRIPTION: | Gross | Wt (): |
| 1.5 0ronge | hexagonal -1936+ Gross | Wt (): |
| | 17, po (cellu) | Pkg. Wt: |
| | | Net Wt: 0.6928 |
| [108] | <u>•</u> | |
| | | |
| | | |
| PRELIMINARY TESTS Spot Tests | Microcrys | talline Tests |
| Cobalt Thiocyanate () | Gold Chloride | |
| Marquis | TLTA () | |
| Froehde's | OTHER | RTESTS |
| Mecke's | monnear | c A7-1(P) |
| | | |
| PRELIMINARY TEST RESULTS | GC/MS CONFI | RMATORY TEST |
| RESULTS BUDGETOF PHING | RESULTS Bu | 5,600 by 100 |
| DATE 1718-10 | MS OPERATOR | 1225 |
| | DATE | 11-22-10 |

Drug Information

DRUG NAME: SUBOXONE TABLET

INGREDIENTS: BUPRENORPHINE - 8 MG

NALOXONE -- 2 MG

Color: orange

Shape: Six-sided

Imprint: N8 Sword Logo
Form: Sublingual Tablet

Available-Container-Size: Bottle of 30

AAPCC Code: 200625 -

Buprenorphine

NDC: 12496-1306-02

Regulatory Status: Schedule III

Availability: United States

Product ID 6370996

Contact: Reckitt Benckiser

Pharmaceuticals





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File Name : D:\System8\11_19_10\756477.D

Operator : DJR

Date Acquired : 20 Nov 2010 6:09

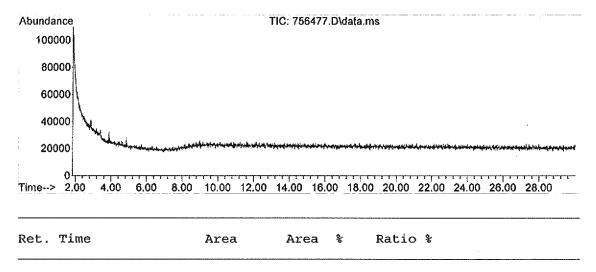
Sample Name : BLANK

Submitted by : Vial Number : 2

AcquisitionMeth: WSCREEN.M

Integrator : RTE

105R



NO INTEGRATED PEAKS

File Name : D:\System8\11_19_10\756478.D

Operator : DJR

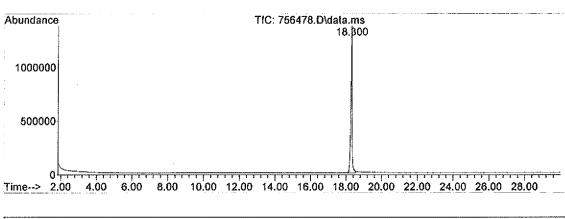
Date Acquired : 20 Nov 2010 6:42 Sample Name : BUPRENORPHINE STD

Submitted by :

Vial Number : 78

AcquisitionMeth: WSCREEN.M

Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 18.300 | 6828319 | 100.00 | 100.00 |

File Name : D:\System8\11 19 10\756478.D

Operator

: DJR

: 20 Nov 2010 Date Acquired 6:42 Sample Name : BUPRENORPHINE STD

Submitted by

Search Libraries:

Vial Number 78 ;

AcquisitionMeth: WSCREEN.M

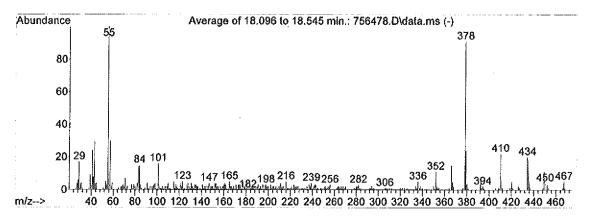
: RTE Integrator

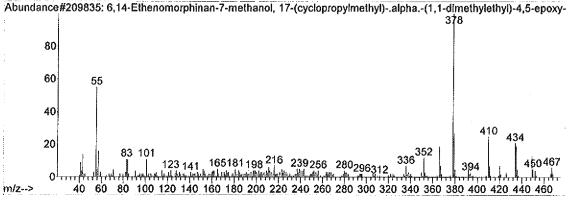
> C:\Database\SLI.L Minimum Quality: 80

> > Minimum Quality: 80

C:\Database\NIST08.L

| PK# | RT | Library/ID | | CAS# | Qual |
|-----|-------|----------------------------------|----|-------------|------|
| 1 | 18.30 | C:\Database\NIST08.L | | | |
| | | 6,14-Ethenomorphinan-7-methanol, | 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, | 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, | 17 | 052485-79-7 | 96 |





File Name : D:\System8\11_19_10\756483.D

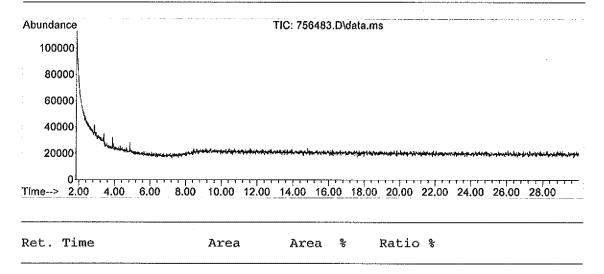
Operator : DJR

Date Acquired : 20 Nov 2010 9:27

Sample Name : BLANK Submitted by : ASD Vial Number : 2

AcquisitionMeth: WSCREEN.M

Integrator : RTE



NO INTEGRATED PEAKS

File Name : D:\System8\11_19_10\756484.D

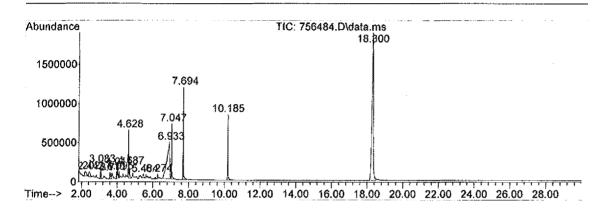
Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD

Vial Number : 84 AcquisitionMeth: WSCREEN.M

Integrator : RTE



| Ret. Time | Area | Area % | Ratio % | |
|-----------|----------|--------|---------|--|
| 2.202 | 413631 | 1.83 | 4.04 | |
| 2.442 | 384897 | 1.70 | 3.76 | |
| 3.083 | 310081 | 1.37 | 3.03 | |
| 3.610 | 265499 | 1.17 | 2.59 | |
| 3.711 | 308576 | 1.36 | 3.01 | |
| 4.011 | 306875 | 1.36 | 2.99 | |
| 4.095 | 162754 | 0.72 | 1.59 | |
| 4.628 | 839425 | 3.71 | 8.19 | |
| 4.687 | 319587 | 1.41 | 3.12 | |
| 5.484 | 195740 | 0.86 | 1,91 | |
| 6.274 | 104081 | 0.46 | 1.02 | |
| 6.933 | 5143850 | 22.72 | 50,19 | |
| 7.047 | 824690 | 3.64 | 8.05 | |
| 7.694 | 1351671 | 5.97 | 13.19 | |
| 10.185 | 1461836 | 6.46 | 14.26 | |
| 18.300 | 10249264 | 45.27 | 100.00 | |

File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name

Submitted by : ASD Vial Number 84

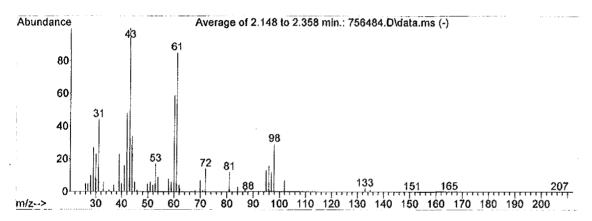
AcquisitionMeth: WSCREEN.M

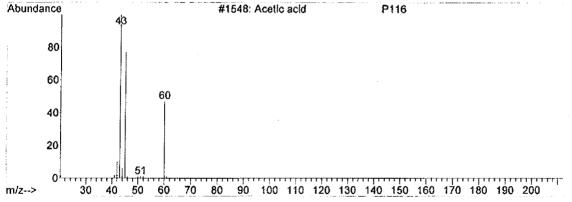
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 C:\Database\NIST08.L Minimum Quality: 80

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 1 | 2.20 | C:\Database\PMW_TOX2.L | | |
| | | Acetic acid | 000064-19-7 | 5 |
| | | Metobromuron | 003060-89-7 | 2 |
| | | Acetone | 000067-64-1 | 2 |





File Name : D:\System8\11 19 10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD

Vial Number : 84

AcquisitionMeth: WSCREEN.M

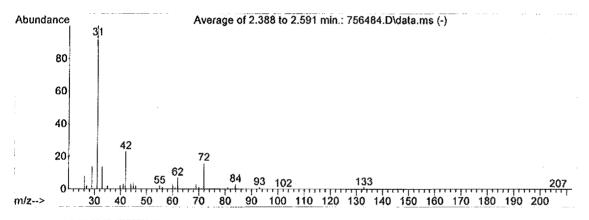
Integrator : RTE

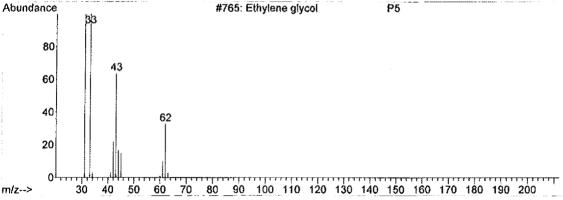
Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80

C:\Database\NIST08.L
C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual 2.44 C:\Database\PMW TOX2.L 2. Ethylene glycol 000107-21-1 9 Ethanol 000064-17-5 1 Methanol 000067-56-1 1





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

: 20 Nov 2010 Date Acquired 10:00

Sample Name Submitted by ASD

Vial Number 84

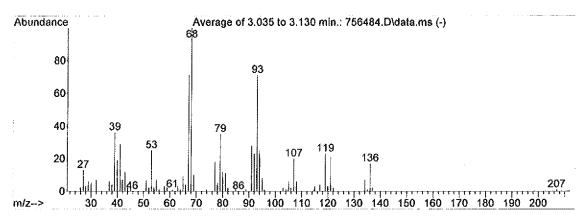
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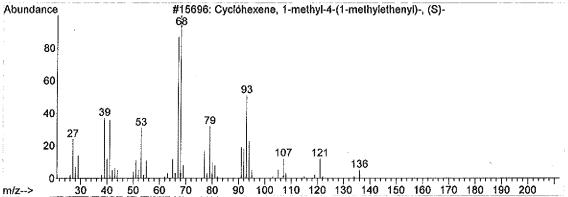
: RTE Integrator

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

| ÞK# | RT | Library/ID | | CAS# | Qual |
|-----|------|---|------------------------------|---|----------------|
| 3 | 3.08 | C:\Database\NISTO Cyclohexene, 1-m D-Limonene D-Limonene | 08.L methyl-4-(1-methylet | 005989-54-8 005989-27-5 005989-27-5 | 98 95 93 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD

Vial Number : 84

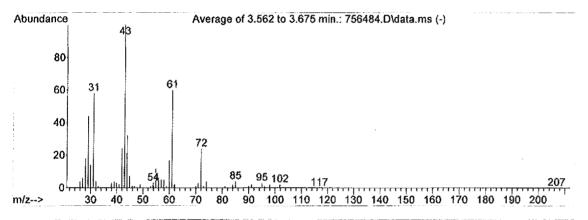
AcquisitionMeth: WSCREEN.M

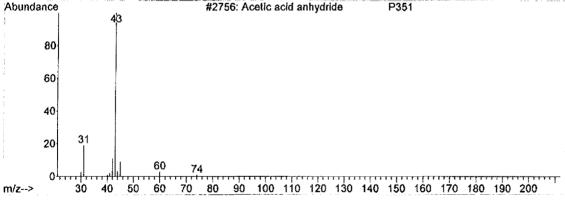
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

| PK# | RT | Library/ID | | CAS# | Qual |
|-----|------|---|---|---|-------------|
| 4 | 3.61 | C:\Database\PMW_TOX2.L Acetic acid anhydride Nonane Ethylacetate | @ | 000108-24-7 000111-84-2 000141-78-6 | 4 2 2 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

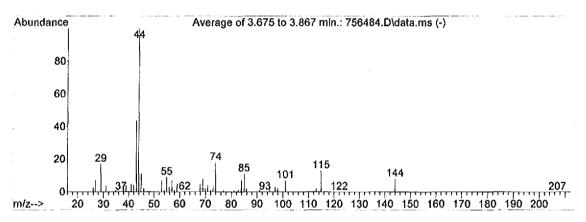
Integrator : RTE

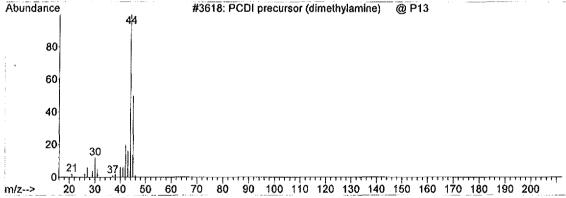
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

| _ | PK# | RT | Library/ID | CAS# | Qual |
|---|-----|------|--|-------------|------|
| | 5 | 3.71 | C:\Database\PMW_TOX2.L PCDI precursor (dimethylamine) | 000124-40-3 | 4 |
| | | | Air with Helium and Water | 000000-00-0 | 1 |





Minimum Quality: 80

File Name : D:\System8\11 19 10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

: ACD

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator

: RTE

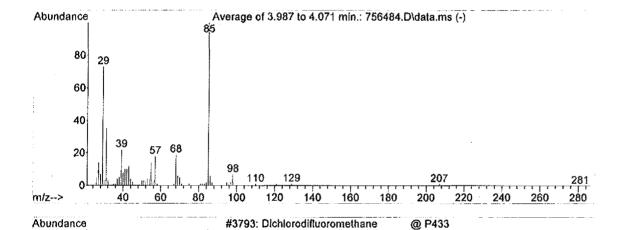
Search Libraries: C:\Database\SLI.L

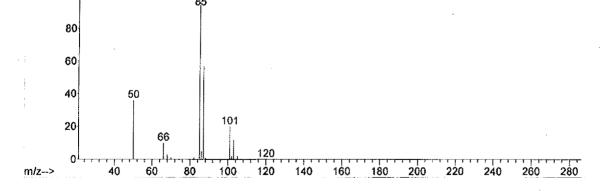
Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

| PK# | RT | Library/ID | | CAS# | Qual |
|-----|------|---|---|-------------|------|
| 6 | 4.01 | C:\Database\PMW_TOX2.L Dichlorodifluoromethane | ര | 000075-71-8 | 2 |
| | | Mefruside ME | • | 000000-00-0 | 1 |
| | | Mefruside 2ME | | 000000-00-0 | 1 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

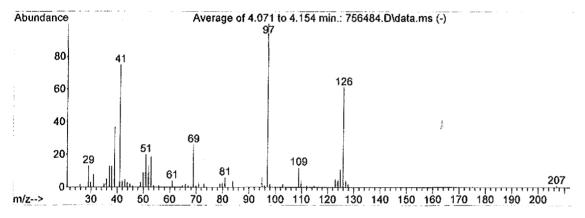
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

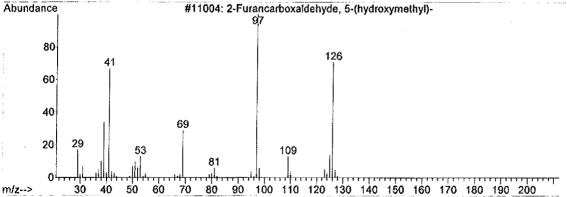
C:\Database\NIST08.L

C:\Database\PMW_TOX2.L

Thiophene, 2-propyl-

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|--|------|------|
| 7 | 4.09 | C:\Database\NIST08.L 2-Furancarboxaldehyde, 2-Furancarboxaldehyde. | | 94 |





Minimum Quality: 80

001551-27-5

47

File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

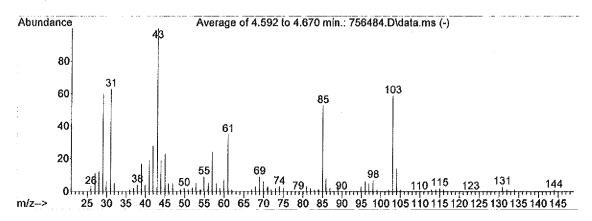
AcquisitionMeth: WSCREEN.M

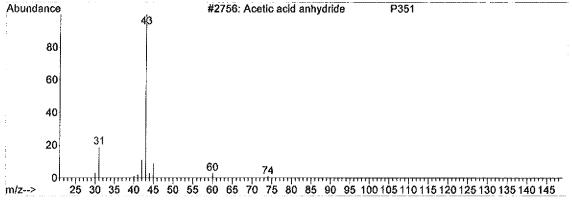
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

| P | K# F | RT. | Library/ID | CAS# | Qual |
|---|------|-----|--|-------------|------|
| | 3 4 | | :\Database\PMW_TOX2.L Acetic acid anhydride | 000108-24-7 | 12 |
| | | | Octane - | 000111-65-9 | 7 |
| | | | Nifenalol artifact | 000000-00-0 | 2 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

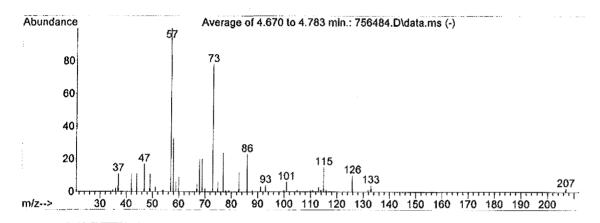
AcquisitionMeth: WSCREEN.M

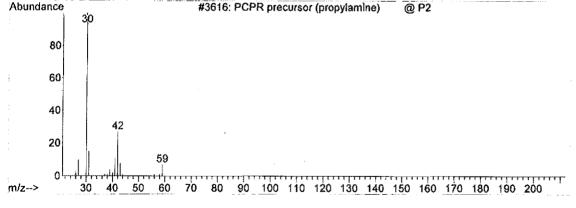
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

| _ | PK# | RT | Library/ID | CAS# | Qual |
|---|-----|------|---------------------------------|-------------|------|
| | 9 | 4.69 | C:\Database\PMW TOX2.L | | |
| | | | PCPR precursor (propylamine) | 000107-10-8 | 1 |
| | | | 1-Butylamine | 000109-73-9 | 1 |
| | | | Eticyclidine prec. (ethylamine) | 000075-04-7 | 1 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

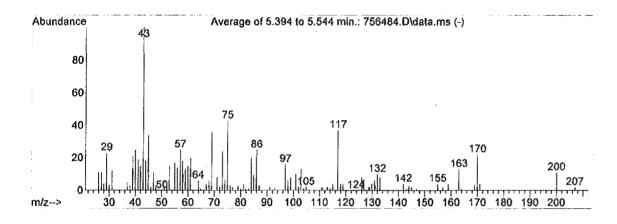
C:\Database\PMW_TOX2.L

PK# RT Library/ID

CAS#

Qual

No Hits Found



File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name Submitted by ASD

Vial Number 84

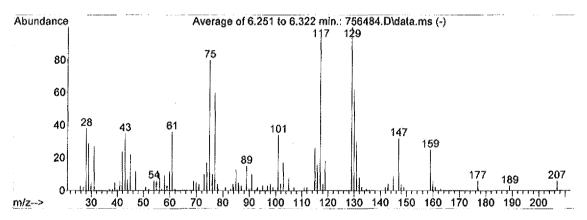
AcquisitionMeth: WSCREEN.M

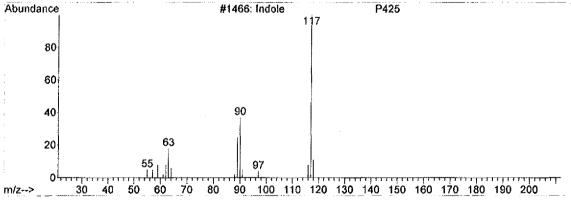
: RTE Integrator

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------------------|-------------|------|
| 11 | 6.27 | C:\Database\PMW_TOX2.L Indole | 000120-72-9 | 5 |
| | | Tryptophan-M ME | 018372-16-2 | 2 |
| | | Carbidopa 2MEAC | 000000-00-0 | 2 |





```
Information from Data File:
File Name : D:\System8\l1_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

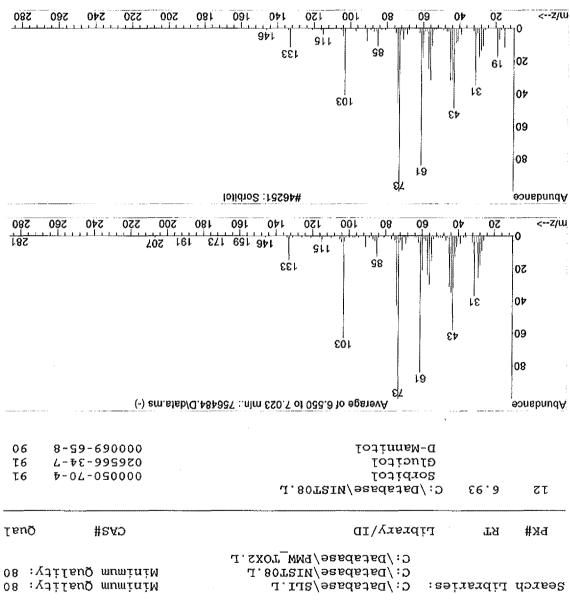
Sample Name :
Sample Name :
Submitted by : ASD

Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Integrator : RTE
```



File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

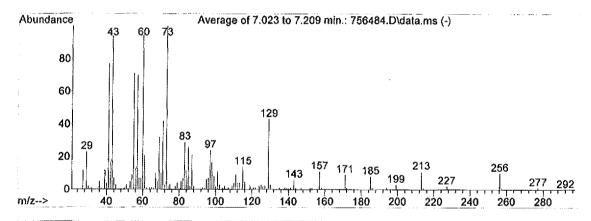
AcquisitionMeth: WSCREEN.M

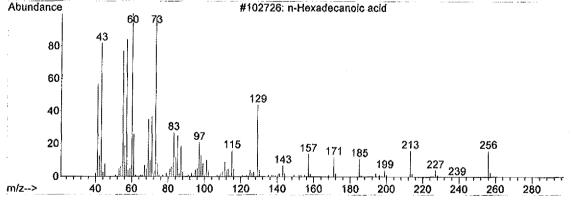
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80

| PK: | # RT | Library/ID | CAS# | Qual |
|-----|------|---|---|----------------|
| 13 | 7.05 | C:\Database\NIST08.L n-Hexadecanoic acid n-Hexadecanoic acid Octadecanoic acid | 000057-10-3 000057-10-3 000057-11-4 | 99 96 90 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : Submitted by : ASD Vial Number : 84

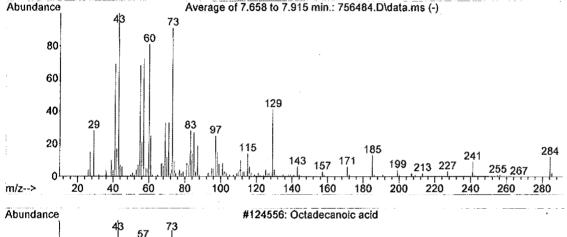
AcquisitionMeth: WSCREEN.M

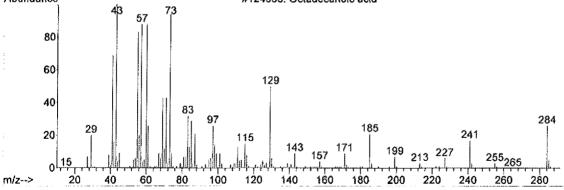
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|---|----------------------------|----------|
| 14 | 7.69 | C:\Database\NIST08.L Octadecanoic acid | 000057-11-4 | 99 |
| | | Octadecanoic acid Octadecanoic acid | 000057-11-4 000057-11-4 | 99 96 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name :

Submitted by : ASD Vial Number : 84

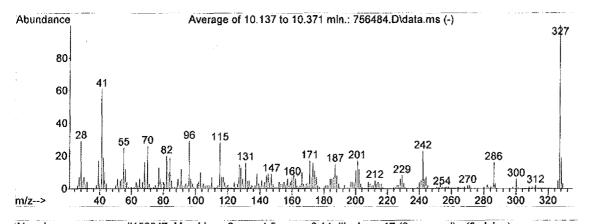
AcquisitionMeth: WSCREEN.M

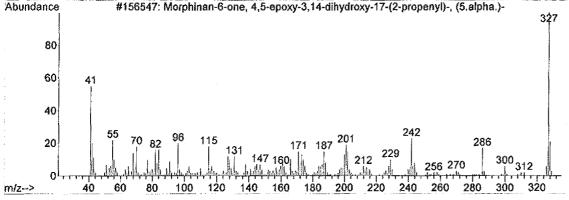
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

| PK# | RT | Library/ID | | CAS# | Qual |
|--------|-------|-------------------|--------------------|-------------|------|
| 15 | 10.19 | C:\Database\NISTO | 8.L | | |
| | | Morphinan-6-one, | 4,5-epoxy-3,14-dih | 000465-65-6 | 99 |
| | | Morphinan-6-one, | 4,5-epoxy-3,14-dih | 000465-65-6 | 98 |
| | | Morphinan-6-one. | 4.5-epoxy-3.14-dih | 000465-65-6 | 95 |





File Name : D:\System8\11_19_10\756484.D

Operator : DJR

Date Acquired : 20 Nov 2010 10:00

Sample Name : | Submitted by :

Submitted by : ASD Vial Number : 84

AcquisitionMeth: WSCREEN.M

Integrator : RTE

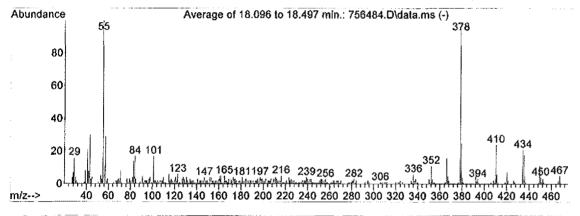
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

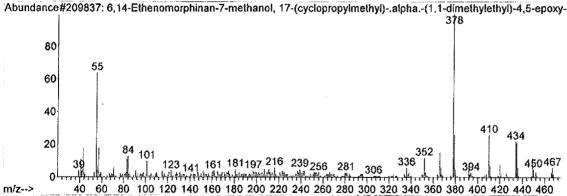
C:\Database\NIST08.L

C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

16 18.30 C:\Database\NIST08.L
6,14-Ethenomorphinan-7-methanol, 17 052485-79-7 99
6,14-Ethenomorphinan-7-methanol, 17 052485-79-7 99
6,14-Ethenomorphinan-7-methanol, 17 052485-79-7 97





Minimum Quality: 80

File Name : D:\System8\11_19_10\756495.D

Operator : DJR

Date Acquired : 20 Nov 2010 16:04

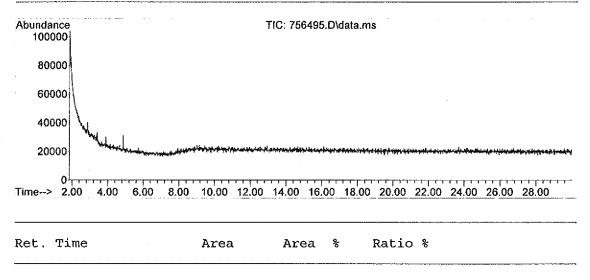
Sample Name : BLANK

Submitted by

Vial Number : 2

AcquisitionMeth: WSCREEN.M

Integrator : RTE



NO INTEGRATED PEAKS

File Name : D:\System8\11_19_10\756496.D

Operator : DJR

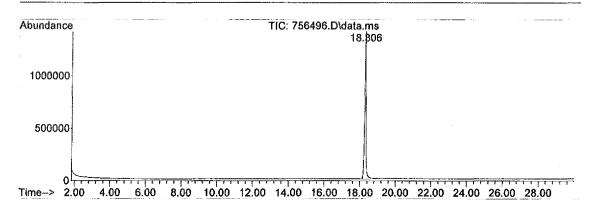
Date Acquired : 20 Nov 2010 16:37 Sample Name : BUPRENORPHINE STD

Submitted by :

Vial Number : 78

AcquisitionMeth: WSCREEN.M

Integrator : RTE



| | o % |
|----------------------------|-----|
| 18.306 7456645 100.00 100. | 00 |

: D:\System8\11_19_10\756496.D File Name

Operator : DJR

Date Acquired 20 Nov 2010 16:37 Sample Name : BUPRENORPHINE STD

Submitted by

Vial Number 78

AcquisitionMeth: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

| PK# | RT | Library/ID | | CAS# | Qual |
|-----|-------|----------------------------------|----|-------------|------|
| 1 | 18.31 | C:\Database\NIST08.L | | | |
| | | 6,14-Ethenomorphinan-7-methanol, | | | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, | 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, | 17 | 052485-79-7 | 96 |

